

Figure 1

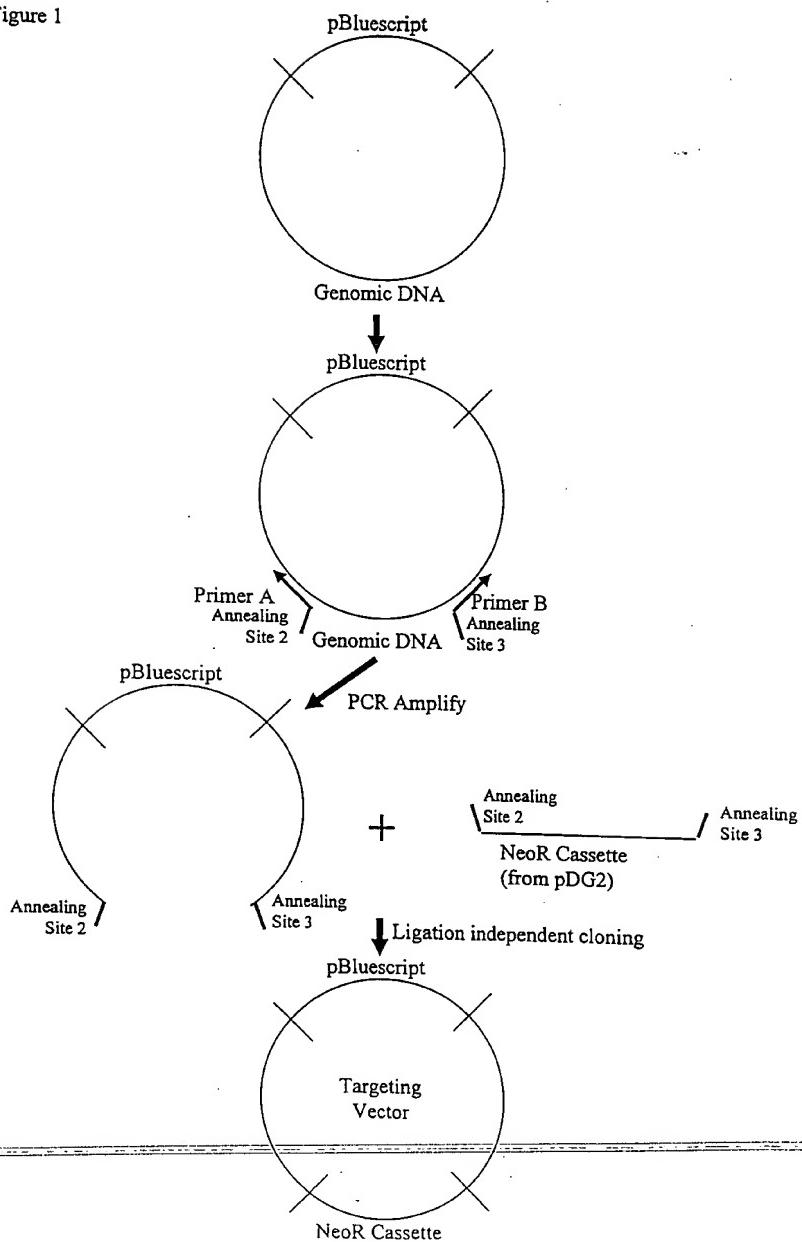
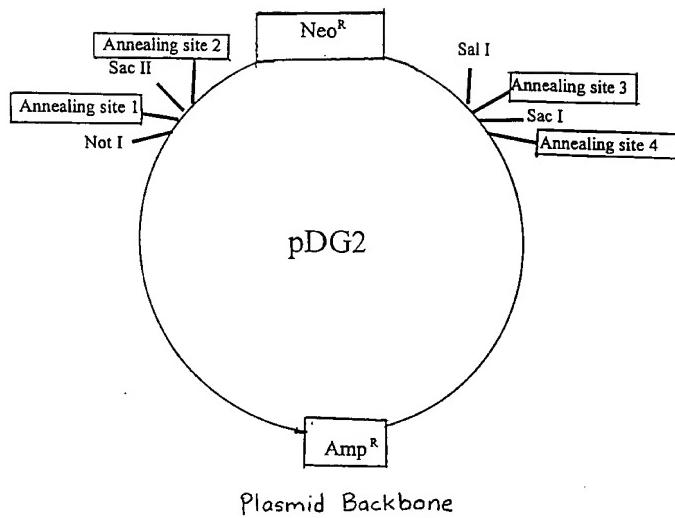


Figure 2A



.pDG2:

Fig 2B

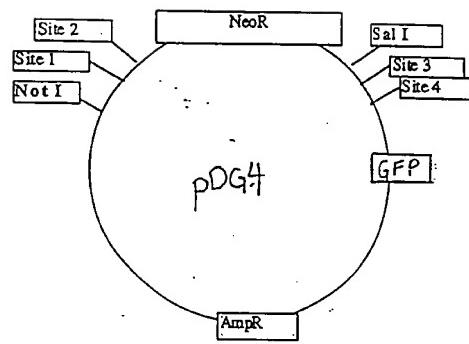


Fig 3A

pDG4:

Fig 3B

Annealing site	Sequence	Sequence after digestion
1	5' tttgtgttccttggcttgcttccaa... 3' 3' acacgaggagaaaaccgaacgaaagg... 5'	5' tttgtgttccttggcttgcttccaa... 3' 3' tt... 5'
2	5' ctggttcttgcctggcttggccaa... 3' 3' gaccaagaacagacccaaacgggtt... 5'	5' ctggttcttgcctggcttggccaa... 3' 3' tt... 5'
3	5' ggtcctcgctctgtgtccgtgaa... 3' 3' ccaggagcgcagacacaggcaactt... 5'	5' ggtcctcgctctgtgtccgtgaa... 3' 3' tt... 5'
4	5' tttgcgtgtccctgtgtcgtaaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' tttgcgtgtccctgtgtcgtaaa... 3' 3' tt... 5'

Fig 4

Annealing site	Sequence	Sequence after digestion
1	5' AAtgtgctcctttggcttgcCGC 3' 3' Ttacacgaggagaaccgaacgaaagg 5'	5' AA 3' Ttacacgaggagaaccgaacgaaagg 5'
2	5' AActgggttttgtttgggttggcCCGC 3' 3' Ttgaccaagaacacgaccgaaccggg 5'	5' AA 3' Ttgaccaagaacacgaccgaaccggg 5'
3	5' AAggtcctcgctctgtgtccgttGAGCT 3' 3' Ttcaggagcgagacacaggcaac 5'	5' AA 3' Ttcaggagcgagacacaggcaac 5'
4	5' AAttgcgtgcctgtgtcGAGCT 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' Ttaaacgcacaggacacagcagc 5'

Fig 5

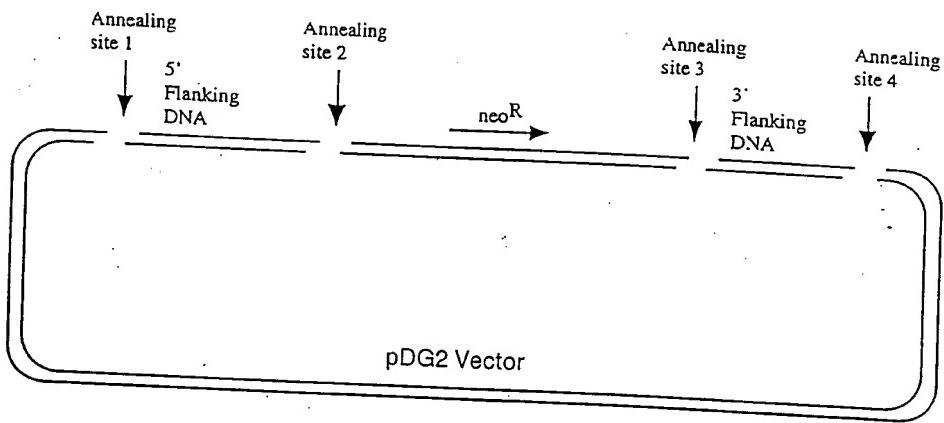


Fig 6

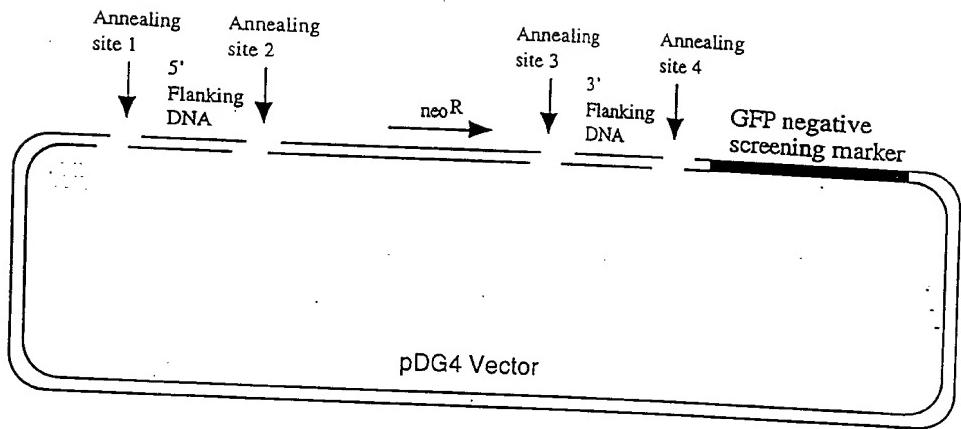


Fig 7

<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctttggcttgcgtccAATTAAACCTCACTAAAGGGAACGAAT
463	ctgggttcgtctggcttggccaaTGCAACAGGTTCCCTGAGCGGTCA
464	ggtcctcgctctgtgtccgttgaacCCTCAAGCTGGCCTACTATGCCTAT
42	tttgcgtgtccctgtgtcgtaaCGACTAAACGACTCACTATAGGGCG
151	GCCAATGGACTTTAGTTTGGAAC
155	GTTCTGGCAAACAAATTGGCGCAC
454	tgtgctcctttggcttgcgtccAATTAAACCTCACTAAAGGGAACGAAT
465	ctgggttcgtctggcttggccaaGTTCCAAAACTAAGAGTCATTGGC
466	ggtcctcgctctgtgtccgttgaatGTCGCCGAATTGTTGCCAGAAC
1	GAACCTTGGGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTCT
41	tgtgctcctttggcttgcgttgaCGACTAATACGACTCACTATAGGGCG
38	ctgggttcgtctggcttggccaaGAAGTAACCTGGCACACCAAGGTTTC
40	ggtcctcgctctgtgtccgttgaAGAACAAAGGGGTTCAGCCAAAGTTTC
37	tttgcgtgtccctgtgtcgtaaCGACTAAACCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCCTACTACTGGCC
546	TGTCACTAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACGTCAAGCTTCCGGGACGCGTGTAGCGGCCGCG
667	ctgggttcgtctggcttggccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaacCGTCCATCGCTGTCTACTATGACA
907	ctgggttcgtctggcttggccaaAAAGCCGACAGCCACGCTCACAAGC
908	ggtcctcgctctgtgtccgttgaacGCCAATGCCACAGAGACAGAATGT
1157	ctgggttcgtctggcttggccaaGTTGGATCCTCTCCAAGGCCCATCT
1158	ggtcctcgctctgtgtccgttgaacCTCCAGTGGAGTGTGGGGACAG

Figure 8